

### TO MAYOR/COUNCIL FYI Date 7/18/05 By Souza

#### **CITY MANAGER'S OFFICE**

DATE:

July 18, 2005

TO:

MAYOR ALAN AUTRY

COUNCIL PRESIDENT MIKE DAGES

CITY COUNCIL MEMBERS

THROUGH: ANDREW T. SOUZA, City Manager

City Manager's Office

FROM:

JON R. RUIZ, Assistant City Manager

City Manager's Office

SUBJECT:

MEDIAN ISLAND LANDSCAPE PLAN OF ACTION

You are all aware of the recent challenges we have had with the maintenance of our In keeping with our New Normal, the Public Works Department, median islands. Department of Public Utilities and Parks, Recreation Community Services Department have collaboratively taken on the responsibility of addressing these issues with a sense of urgency and a commitment to catching up quickly, while also looking for longer-term maintenance solutions. The resulting Action Plan is attached, for your information, and as an example of staff's commitment to excellence.

The principal goals of the attached Action Plan include: 1) to bring all "tall weed" areas and major corridor medians up to standard within 30 to 60 days, as outlined in the attached "Staffing and Production Table"; and 2) to maintain all medians to standard for long-term sustainability, using a 60-day cycle for major corridors, and a 90-day cycle for all other median islands and CFD/LLMD Landscape Areas.

The attached Action Plan outlines these immediate, short-term, and long-term solutions, while also identifying long-term strategies to enable us to move toward long-term For example, immediate solutions include the immediate (30 day) sustainability. removal of 6.36 million square feet of "tall weed" areas along major corridors (see Attachment A for median island locations). Short-term solutions include the removal of another 6.36 million square feet for the remaining medians over the next 30 days (see Attachment B); and the long-term sustainability objectives provides for a 60 day maintenance cycle along major corridors, and a 90 day cycle outside major corridors, beginning September 2005.

The City departments of Public Works, Public Utilities, and Parks, Recreation, and Community Services continue to explore and implement all operational methods of A critical meeting service-delivery requirements of the City's median islands.

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component for the maintenance of the median islands is the use of inmate labor. Due to contracting issues with Fresno County inmate labor has not been available for six months. The plan identifies the use of temporary labor to backfill the loss of inmate labor until such time as the contract with Fresno County is completed, which is anticipated to be within 30-60 days. Staff is currently evaluating long-term options related to private contracting, planting drought-tolerant plants during the construction of new non-CFD medians (Attachment C), and converting 12,000 square feel of medians to hardscape and drought tolerant planting standards by May 1, 2006, as a demonstration project.

Staff turned over every rock to implement these changes within the existing budget, but estimates that up to \$350,000 may be required to implement these immediate improvements through the hiring of temporary employees until the inmate labor crews are once again available. The departments are committed to finding sufficient efficiencies, salary savings, and operational savings to meet this challenge.

#### **Attachments**

cc: Roger Montero, Deputy Mayor Georgeanne White, Chief of Staff Ruth F. Quinto, Interim Assistant City Manager Renena Smith, Budget Manager Department Directors

### Maintenance of Median Islands and CFD/LLMD Landscaped Areas

#### Goals

- 1. Bring all "tall weed" areas and major corridor medians up to standard within 30 and 60 days as per the table below.
- 2. Maintain all medians to standard for long-term sustainability, on a 60-day cycle for major corridors and 90-day cycle for all others.

#### Strategies/Tactics

#### A. Non-CFD/LLMD Medians

	Staffing and Production Table										
	Catch- up 30 days	Catch- up 60 days	Maintenance 90 days	October	November	December					
City Employees	56	56	56	56	56	56					
Inmate Labor	0	0	20	20	40	50					
Community Service Workers	0	0	8	16	32	40					
Temporary Employees	50	50	16	10	10	10					
Total Labor (people)/day	<u>106</u>	<u>106</u>	<u>100</u>	<u>102</u>	<u>138</u>	<u>156</u>					
Daily Hours (# People * 8 hrs)	848	848	800	816	1104	1248					
Production (250 SF/hr * daily hrs)	212,000	212,000	200,000	204,000	276,000	312,000					
Total Monthly SF Completed (mil) (production * no. of cal/wking days)	6.36	6.36	4.0	4.1	5.52	6.24					

Catch-up = calendar days

Maintenance = working days

Initiation and ramp-up of Inmate and Community Service Labor estimated as per tentative agreements.

Historical data collected by DPU, PW and PRCS averages 250 square feet/hour/person of median maintenance.

Unit standard for measurement and planning is 250 square feet per hour per person.

Net cost of additional temporary employees for the 6-month period is about \$350,000. On-going temporary employee cost is \$22,500 per month.

#### Schedule of activities:

- ❖ Immediate solution: First 30 days 6.36 million square feet of "tall weed" areas and major corridors. Attachment A lists specific areas.
- ❖ Short term solution: Second 30 days is 6.36 million square feet of remaining medians needing to be caught up. Attachment B lists specific areas.
- ❖ Long term sustainability: 90-days maintenance cycle begins 60 day major corridors listed below and 90 days remaining medians. Full maintenance cycle in place beginning September 2005.

#### **Major Corridor Streets**

Corridor	Herbicide	Maintenance	Square Feet
	(months)	(months)	(millions)
Herndon	Oct, Feb, Apr	Jan, Mar, May, Jul,	
		Sep, Nov	
Kearney	Oct, Feb, Apr	Jan, Mar, May, Jul,	
		Sep, Nov	
McKinley	Oct, Feb, Apr	Jan, Mar, May, Jul,	
<u> </u>		Sep, Nov	
Olive	Oct, Feb, Apr	Jan, Mar, May, Jul,	
		Sep, Nov	
Kings Canyon	Oct, Feb, Apr	Jan, Mar, May, Jul,	-
		Sep, Nov	
Downtown Medians	Oct, Feb, Apr	Jan, Mar, May, Jul,	
		Sep, Nov	
Shaw	Oct, Feb, Apr	Feb, Apr, Jun, Aug,	
		Oct, Dec	
Blackstone	Oct, Feb, Apr	Feb, Apr, Jun, Aug,	
		Oct, Dec	
Van Ness	Oct, Feb, Apr	Feb, Apr, Jun, Aug,	_
	_	Oct, Dec	
Huntington	Oct, Feb, Apr	Feb, Apr, Jun, Aug,	
		Oct, Dec	
Jensen	Oct, Feb, Apr	Feb, Apr, Jun, Aug,	· —
		Oct, Dec	

Total square feet of above corridors is approximately 5 million and requires 20,000 labor hours per 60-day cycle.

#### B. CFD/LLMD Landscape Districts

- ❖ Contract with Local Conservation Corps (LCC) for all CFD/LLMD medians by August 15, 2005. Currently we contract with LCC for 50% of CFD/LLMD medians.
- ❖ Starting August 15, 2005, all CFD/LLMD districts will be on a 90-day cycle.

#### Long-term

- Private contracting.
- \* Attached native plant/drought tolerant planting standard will be used in construction of new non-CFD medians. (Attachment C)
- ❖ Convert 12,000 square feet of medians to hardscape and drought tolerant planting standard, by May 1, 2006, as a demonstration project.

#### System for Measurement of Time, Activity and Production

- ❖ All Departments will record time and activity against Project ID: SM00039
- ❖ Activity Identifications (codes already in place in being used):
  - Weed
  - Mow
  - Trim
  - Debris
  - Spray
  - Sprinkler
  - Water
- ❖ Daily Crew Measurement (codes already in place and being used):
  - Record daily square footage
  - Record Daily crew members and hours
  - Record production through production tracking method
- ❖ Daily Performance Measurement = daily production rate from above table. For example, first 30-days is 212,000 square feet per day. This daily measurement will be reported to Jon Ruiz daily, and included in Department Directors' performance plan and coached monthly.

#### **Attachment A Council District** Median Island Schedule On Street From 3 4 Fruit X Shields Chestnut X X Crystal Weber Shields X X Clinton Hughes Shields Cedar Shields Shepherd X X Nees First St Shields X Dayton Orchard Robinson Orchard Palo Alto Fourth Sierra Perrin Champlain Shepherd FWY 41 Overpass Audubon Nees Winery Blackstone Ashlan X X Chestnut Diagonal Ashlan/south of Friant Rd. Fresno St Dakota X X Shaw **FWY 168** Blackstone Willow Shaw × Herndon X Barstow Cedar Fresno St. X Blackstone Bullard Cedar Nees Chestnut Palm Nees Alluvial Millbrook Shepherd Willow Friant Rd. Shepherd Maple Sommerville Maple Plymouth International Willow Palm X Herndon X Herndon Locust X Ingram Warner Herndon Maroa Maple Herndon Fir Magill Herndon Maple Blackstone Olive Nees X X Nees Millbrook Friant Valentine Magill Blackstone Polk X Herndon Escalon Tamera Prospect Marks Bullard Figarden X Figarden Loop Marty Bullard Fig Garden Loop Carnegie X Bullard Brawley Bullard San Jose X Indianapolis Herndon X Marks Valentine Brawley X Beechwood Valentine Marty West Alluvial Shaw X X Palo Alto Fruit Herndon Herndon Shaw Palm Golden State Palm X Shaw Ashlan Fruit Cornelia X X Shaw Weber West Clovis Van Ness McKinley Wishon Underpass

### Attachment A Median Island Schedule

#### **Council District**

On Street	From	То	1	2	3	4	5	6	7
Maroa	Shields	Cornell	X		1000				X
Winery	Shields	Clinton	GE TE			х	1000		
Clinton	Winery	McKinley		1000		X	10000		310
Gateway	Clinton	McKinley			100	X			17/14/6
Shields	Clovis	Fowler	1000			X			
Fowler	Clinton	N. Pontiac	SEC.	100	10000	X			
Airways Blvd.	Clovis	Dakota	-	PERM	252250	X	100		
Olive	Peach	Willow	H. Call		Chicago	X			X
Belmont	Blackstone	Chestnut			KORSI		X		X
Filmore	Jackson	Onounat	NAME.		X				120
Kings Canyon	Chestnut	First					X		
Fifth	Ventura	Alta					X		1
Fresno St	Tulare	Ventura			X		^		
	Fresno St	Marks	1000000	REAL PROPERTY.	X		x		
Kearney	B St.	IVIAINS	NA COLUMN	Services.	X		^		
Trinity	Divisadero			BOOK SERVICE	X				
Broadway		Con Joseph							
G Street	El Dorado	San Joaquin	No. of Lot	Name and Address of	X				
Neilsen	Marks	Teilman		STATE OF THE PARTY	X		-		
Polk	Rialto	Dayton			X				
Blythe	Ashlan	Weldon	X					-	
West	Telman	Whitesbridge		NO.	X		Beer		
Golden State	Belmont	McKinley	Maria		X		10000		
Weber	Weldon	McKinley			X	_			
Clinton	Weber	Crystal	X						
Parkway	Clinton	Mckinley			X				
Brawley	Fountain Way	Shields	X		X				
Shields	Brawley	Parkway	X		X				
Marks	Pinceton	Whitesbridge			X				
Kearney	Fresno St	Fruit			X				
Jensen	Martin Luther King	FWY 41			X				
Fruit	Church	Geary			X				
Church	Elm	Marks			×				
Elm	Ventura	Dorothy			X				
Ventura	MLK	B St							
California	FWY 41	Elm			X				
Golden State	Church	North	867		×				
Golden State	Monterey	Church	6 3 6	1	×		1		
	Ventura	Shields	Dies.	Name of Street	4		×	1	X
First St Cedar	Ventura	McKinley	200	Name of Street		×	X		X
	Cedar	Barton	Sec.			^	X		
Huntington	McKinley	Jensen	20000000			х	X		X
Chestnut	Olive	Jensen	10000000000000000000000000000000000000			X	X		
Clovis		Lind	BE MINE	10000		^	X		
Kings Canyon	Chestnut		ESCORO.				^		×
McKenzie	Willow Kinga Canyon	Winery	TOTAL STREET	1000			v		1
Peach	Kings Canyon	California					X		100
Willow	Kings Canyon	El Monte		No.			X		
Church	Elm	Martin Luther King	Maria San	B SANG	X				
Butler	Maple	Chestnut							
Maple	Butler	RR Tracks	5000	10.50			- PARTER		
Ashlan	Hwy 99		X	200			1000		
Floradora	Polk	McCaffrey			X		17/2		
	Cornelia	Lodi	-	-	×		10000		

## Attachment B Median Island Schedule

#### **Council District**

On Street	From	То	1	2	3	4	5	6	7
Shields	Chestnut	Fruit	X			Х			X
Shields	Crystal	Weber	X						
Hughes	Shields	Clinton	X						
Cedar	Shields	Shepherd				Х		X	
First St	Shields	Nees				Х		X	
Dayton	Orchard					-			
Robinson	Orchard								
Fourth	Sierra	Palo Alto							1/3
Champlain	Shepherd	Perrin						X	
Audubon	Nees	FWY 41 Overpass			Hose			X	
Ashlan	Winery	Blackstone				Х			X
Chestnut Diagonal	Ashlan/south of	and the same of th					1		
Fresno St	Dakota	Friant Rd.			1000			X	X
Shaw	FWY 168	Blackstone		No. of the	18000	х	1000		X
Willow	Herndon	Shaw	10000		1000	х		X	
Barstow	Cedar	Fresno St.	2000	1000	1000	х		Х	233
Bullard	Cedar	Blackstone	TO SERVICE	X	1000			х	
Nees	Chestnut	Palm	855	X	No.			X	
Millbrook	Nees	Alluvial			ENTER!				
Shepherd	Willow	Friant Rd.						X	-
Sommerville	Shepherd	Maple			10000			-	
Maple	Plymouth	International			1000		10000		
Herndon	Willow	Palm		X	50000			×	
Ingram	Herndon	Locust	THE REAL PROPERTY.	X				-	
Maroa	Herndon	Warner	Section 1	X					
	Herndon	Fir	BOOK STATE	^				X	
Maple	Herndon	Magill	ESCHOOL ST		2000				
Maple	Olive	Nees	×	x	X			X	X
Blackstone	Nees	Millbrook	Α.	^	^			X	1
Friant		WIIIDTOOK	REAL PROPERTY.	THE REAL PROPERTY.			-	^	
Valentine	Magill	Polk	SCHOOL SECTION		2000				
Herndon	Blackstone		STATE OF THE PERSON	X					
Escalon	Tamera	Prospect	DESCRIPTION OF						
Bullard	Marks	Figarden	PROPERTY.	X					
Figarden Loop	Marty	Bullard		X			-		
Bullard	Fig Garden Loop	Carnegie	BALLETON .	X	1000000				
Brawley	Bullard	San Jose		X					
Marks	Herndon	Indianapolis	X	X					
Beechwood	Valentine	Brawley	200 Marie	X	2000				
Valentine	Marty	01	1000000		Carlotte Co.		1000		
West	Alluvial	Shaw	X	X	BEICE TO				X
Fruit	Herndon	Palo Alto	1000	X			100		
Palm	Herndon	Shaw	1	X					
Shaw	Palm	Golden State		X			7.37		
Ashlan	Fruit	Cornelia	X	X			1000		×
West	Shaw	Weber	9233				1500		
McKinley	Clovis	Van Ness	X	1000	X	X	10.75		X

## Attachment B Median Island Schedule

#### **Council District**

Maroa Winery Clinton Gateway Shields Fowler Airways Blvd. Olive Belmont Filmore Kings Canyon Fifth Fresno St Kearney Trinity Broadway G Street Neilsen Polk	Shields Shields Winery Clinton Clovis Clinton Clovis Peach Blackstone Jackson Chestnut Ventura Tulare Fresno St B St. Divisadero El Dorado Marks Rialto	Cornell Clinton McKinley McKinley Fowler N. Pontiac Dakota Willow Chestnut First Alta Ventura Marks	×		×	x x x x x x	x	×
Clinton Gateway Shields Fowler Ainways Blvd. Olive Belmont Filmore Kings Canyon Fifth Fresno St Kearney Trinity Broadway G Street Neilsen	Winery Clinton Clovis Clinton Clovis Peach Blackstone Jackson Chestnut Ventura Tulare Fresno St B St. Divisadero El Dorado Marks	McKinley McKinley Fowler N. Pontiac Dakota Willow Chestnut  First Alta Ventura Marks				X X X X	×	
Gateway Shields Fowler Airways Blvd. Olive Belmont Filmore Kings Canyon Fifth Fresno St Kearney Trinity Broadway G Street Neilsen	Clinton Clovis Clinton Clovis Peach Blackstone Jackson Chestnut Ventura Tulare Fresno St B St. Divisadero El Dorado Marks	McKinley Fowler N. Pontiac Dakota Willow Chestnut  First Alta Ventura Marks				X X X	×	
Shields Fowler Airways Blvd. Olive Belmont Filmore Kings Canyon Fifth Fresno St Kearney Trinity Broadway G Street Neilsen	Clovis Clinton Clovis Peach Blackstone Jackson Chestnut Ventura Tulare Fresno St B St. Divisadero El Dorado Marks	Fowler N. Pontiac Dakota Willow Chestnut  First Alta Ventura Marks				X X X	×	
Fowler Airways Blvd. Olive Belmont Filmore Kings Canyon Fifth Fresno St Kearney Trinity Broadway G Street Neilsen	Clinton Clovis Peach Blackstone Jackson Chestnut Ventura Tulare Fresno St B St. Divisadero El Dorado Marks	N. Pontiac Dakota Willow Chestnut First Alta Ventura Marks				X	×	
Airways Blvd. Olive Belmont Filmore Kings Canyon Fifth Fresno St Kearney Trinity Broadway G Street Neilsen	Clovis Peach Blackstone Jackson Chestnut Ventura Tulare Fresno St B St. Divisadero El Dorado Marks	Dakota Willow Chestnut First Alta Ventura Marks				х	×	
Olive Belmont Filmore Kings Canyon Fifth Fresno St Kearney Trinity Broadway G Street Neilsen	Peach Blackstone Jackson Chestnut Ventura Tulare Fresno St B St. Divisadero El Dorado Marks	Willow Chestnut First Alta Ventura Marks					×	
Belmont Filmore Kings Canyon Fifth Fresno St Kearney Trinity Broadway G Street Neilsen	Blackstone Jackson Chestnut Ventura Tulare Fresno St B St. Divisadero El Dorado Marks	First Alta Ventura Marks				X	×	
Filmore Kings Canyon Fifth Fresno St Kearney Trinity Broadway G Street Neilsen	Jackson Chestnut Ventura Tulare Fresno St B St. Divisadero El Dorado Marks	First Alta Ventura Marks					×	X
Kings Canyon Fifth Fresno St Kearney Trinity Broadway G Street Neilsen	Chestnut Ventura Tulare Fresno St B St. Divisadero El Dorado Marks	Alta Ventura Marks						
Fifth Fresno St Kearney Trinity Broadway G Street Neilsen	Ventura Tulare Fresno St B St. Divisadero El Dorado Marks	Alta Ventura Marks			X			
Fifth Fresno St Kearney Trinity Broadway G Street Neilsen	Tulare Fresno St B St. Divisadero El Dorado Marks	Ventura Marks			X		X	
Kearney Trinity Broadway G Street Neilsen	Tulare Fresno St B St. Divisadero El Dorado Marks	Marks			×			
Kearney Trinity Broadway G Street Neilsen	Fresno St B St. Divisadero El Dorado Marks	Marks				200		
Trinity Broadway G Street Neilsen	B St. Divisadero El Dorado Marks	Con Jeoguin		CONTRACTOR OF	X		X	
Broadway G Street Neilsen	Divisadero El Dorado Marks	Con Inquis			X			
G Street Neilsen	El Dorado Marks	Can Isaaria			X			
Neilsen	Marks	San Joaquin	1522	Ready.	X		1200	
		Teilman	1818		X			
		Dayton	S. S. S.		X	8.		200
Blythe	Ashlan	Weldon	X	100	1000000			1000
West	Telman	Whitesbridge	Desil.		X			
Golden State	Belmont	McKinley		128	X			100
Weber	Weldon	McKinley	NO SERVICE DE LA CONTRACTION D		X			
Clinton	Weber	Crystal	X					
Parkway	Clinton	Mckinley			X			
Brawley	Fountain Way	Shields	X		X			
Shields	Brawley	Parkway	X		X			
	Pinceton	Whitesbridge	^		X			
Marks	Fresno St	Fruit	Marie Co.		X			
Kearney	Martin Luther King	FIUIL FINV 41			X		1000	
Jensen	Church	Geary			X			
Fruit		Marks	Laborate St	Name of Street	X			
Church	Elm	Dorothy		2000	X			
Elm	Ventura		BEAU AND	1000	^			
Ventura	MLK	B St		20000				
California	FWY 41	Elm	THE REAL PROPERTY.		X			
Golden State	Church	North	BARRIOTO .		X			
0.11 0.11	Mantanan	Church			X			
Golden State	Monterey	Shields		10000	-		×	X
First St	Ventura		Bertine S	ESCHOOL SECTION			X	X
Cedar	Ventura	McKinley	2000	BEAUTION OF		X		<del>  ^</del>
Huntington	Cedar	Barton		100000		V	X	×
Chestnut	McKinley	Jensen	200000			X		+ ^
Clovis	Olive	Jensen		- CO.		X	X	
Kings Canyon	Chestnut	Lind					X	-
McKenzie	Willow	Winery	-	BEES !				×
Peach	Kings Canyon	California		BESSES.			X	
Willow	Kings Canyon	El Monte	10000		E PARTY		X	
Church	Elm	Martin Luther King		100	X			-
Butler	Maple	Chestnut	1400		Ballie			-
Maple	Butler	RR Tracks	2000		N DO			+
Ashlan	Hwy 99		X				-	
			1500		100		- 75	
Floradora	Polk Cornelia	McCaffrey Lodi			X		1	

#### XERISCAPE

Xeriscape landscaping, conserves water yet beautifies the surroundings is an option that is being explored. As water-metering will soon become a way of life in Fresno this is one way to reduce excessive water use and to take a leadership role in managing this precious commodity.

Xeriscape landscaping incorporates seven basic principles which lead to saving water:

- Planning and design is the foundation of any water-wise landscape.
- Soil analysis will determine whether soil improvement is needed for better water absorption and improved water-holding capacity.
- Practical turf areas suggests that turfgrasses be used as a planned element in the landscape.
- Appropriate plant selection keeps the landscape more in tune with the natural environment Both native and exotic plants make up the huge variety of plants available for Xeriscape Landscaping.
- Efficient irrigation is the key to being able to save 30 to 50 percent on your water bill.
- Use mulches in flower and shrub beds to prevent water loss from soil through evaporation and to increase water penetration during irrigations.
- Appropriate maintenance preserves the beauty of the Xeriscape landscape plus saves water. Pruning, weeding, proper fertilization, pest control and irrigation system adjustments all conserve water.

Xeriscape landscapes need not be cactus and rock gardens. They can be green, cool landscapes full of beautiful plants maintained with water-efficient practices.

# MEDIAN ISLAND W/XERISCAPE

